

2-6 continued

Absolute Value Graphs

$$y = a|x - h| + k$$

Calculator

a "slope"
h left/right

K up/down

V(h, k) - a flips it

$$y = |x|$$

$$y = |x - 3|$$

$$y = |x| - 3$$

$$h = 3$$

$$y = 3|x|$$

Oct 10-10:42 AM

$$y = |2x + 3|$$

(h, k)

$$V\left(-\frac{1}{2}, 0\right)$$

Illegal

$$2\left|x + \frac{3}{2}\right|$$

This move is illegal, but it allows us to figure out the vertex.

Oct 13-1:10 PM

1. $V(0, -3)$

$$y = |x| - 3$$

2. $V(-3, -1)$

$$y = |x + 3| - 1$$

Oct 13-1:14 PM

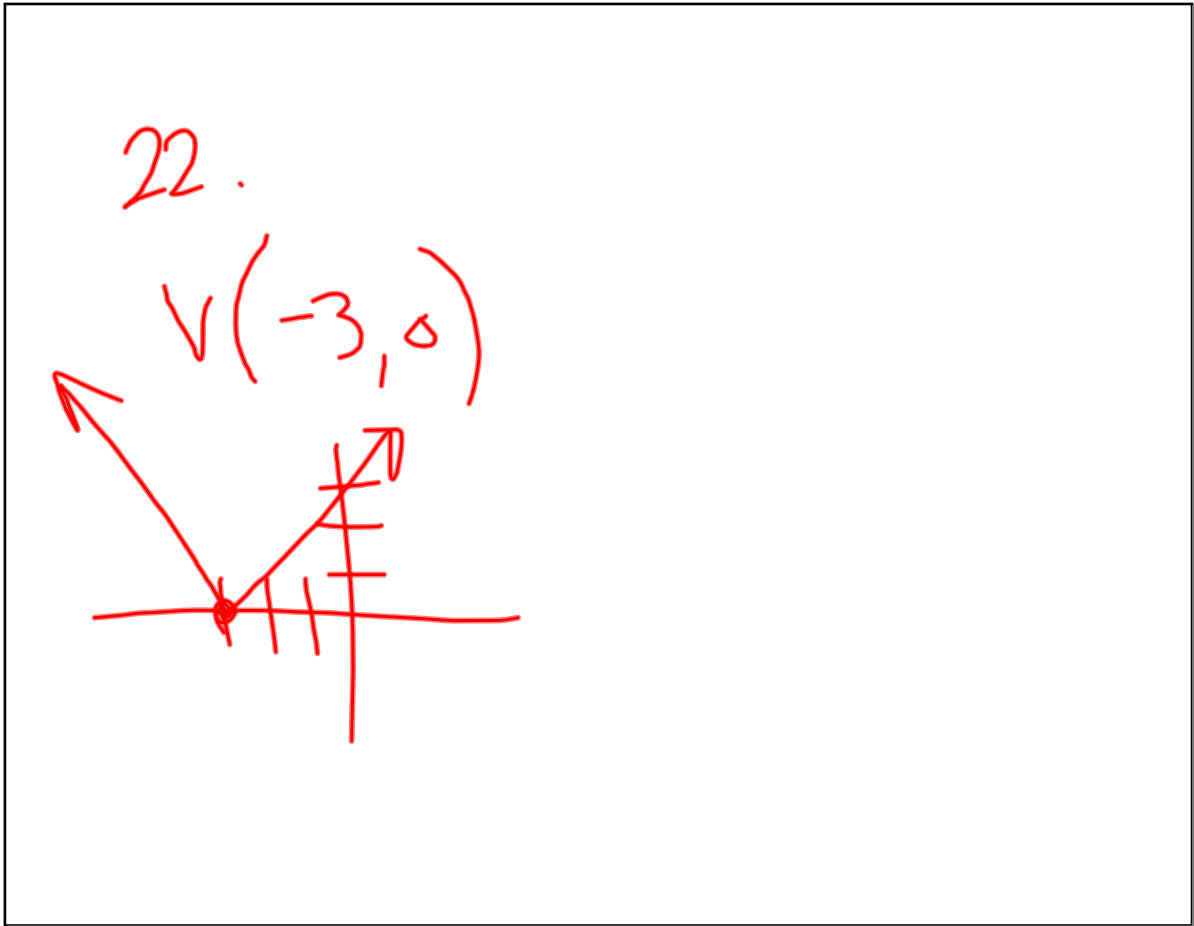
5. $V(-1, 1)$

r

$$y = 2|x + 1| + 1$$



Oct 13-1:16 PM



Oct 13-1:19 PM